

Figure 4: Annual CVP San Joaquin River Exchange Contractors' Deliveries using MBK Modeling

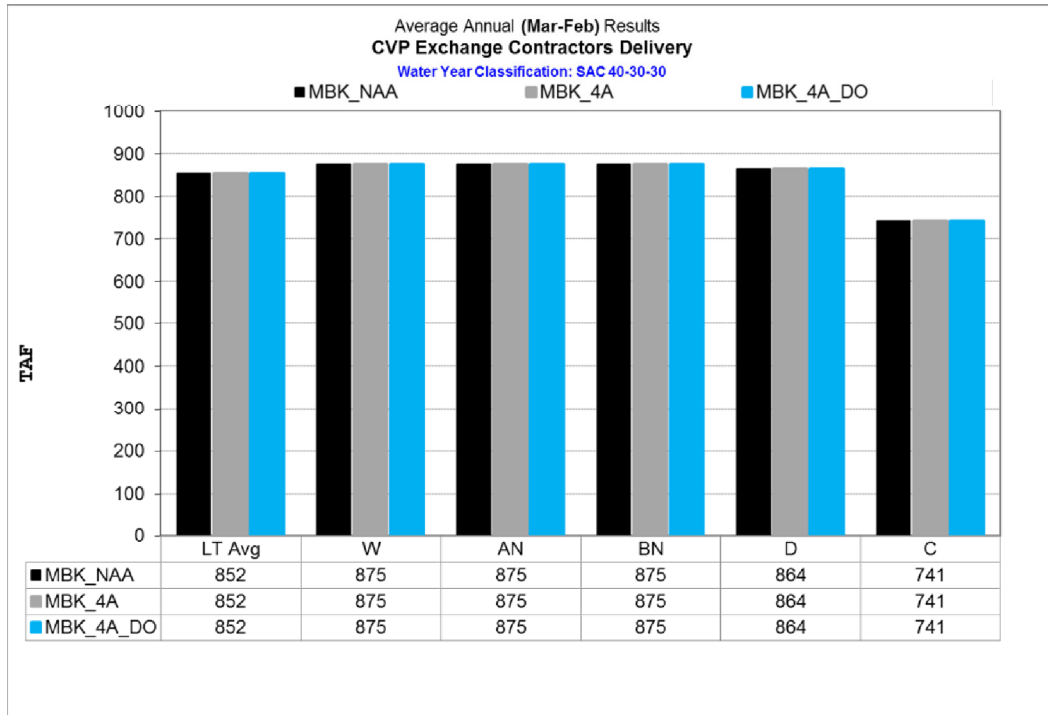
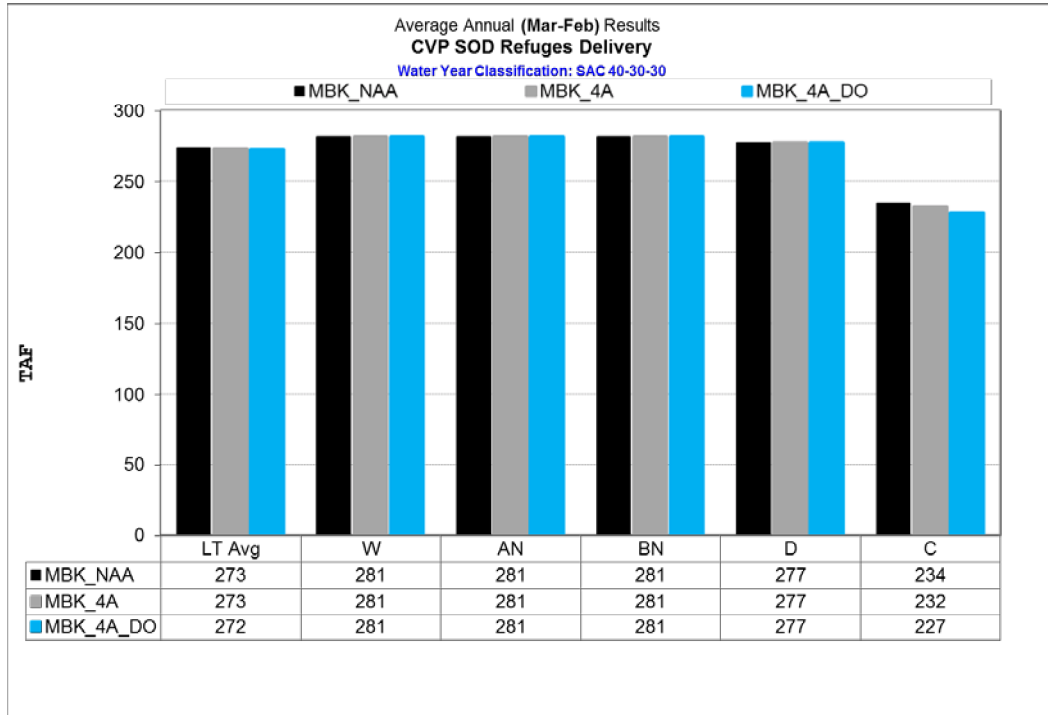


Figure 5: Annual CVP South-of-Delta Refuge Level 2 Deliveries using MBK Modeling



Mr. Bourez also argues that CalSim II does not address effects on many types of water users. He states that CalSim II “does not model any changes in water deliveries to

1 Sacramento River Settlement Contractors, Feather River Settlement Contractors, wildlife  
2 refuges, CVP Exchange Contractors or non-Project water right holders. Because all CVP  
3 and SWP Settlement Contractor deliveries and all non-Project water user deliveries are  
4 "Hard Coded", the model is forced to meet these deliveries unless it runs out of water."  
5 [Exhibit SVWU-107 p. 2, ¶ 4.]

6 Mr. Bourez's argument that water user deliveries are hard-coded in CalSim II is  
7 fundamentally wrong. Deliveries to water users are not hard-coded in CalSim II. Instead,  
8 CalSim II delivers water based on the available water supply and specified priority. For  
9 example, simulated delivery to Sacramento River Settlement Contractors, Feather River  
10 Settlement Contractors, wildlife refuges, and CVP Exchange Contractors are based on  
11 hydrologic conditions for the water year, tributary and delta minimum flow requirements,  
12 and availability of upstream storage. These deliveries are simulated at the highest priority  
13 as long as sufficient storage and regulatory flow conditions can be met. If simulated storage  
14 levels were insufficient to meet these deliveries, then reductions in deliveries could occur.  
15 If the model shows that water deliveries to these users, and the frequency of stressed  
16 water supply conditions for the project scenario matches the no action alternative, as is the  
17 case in this analysis, it indicates that the project scenario does not have any impact to the  
18 water users.

19 In short, even if we assume that MBK's more aggressive modeling is correct, which  
20 we do not, there is no evidence of injury to legal water users as detailed above.

### 21 **III. SVWU MODELING OF DISCRETIONARY DECISIONS ARE FLAWED**

22 I reviewed the MBK modeling. MBK modeling includes several changes as documented  
23 in [Exhibit SVWU-107, p.41] Of all the changes noted, MBK's changes to three inter-  
24 related inputs account for a majority of the differences between the petitioners' results and  
25 the MBK's results. All three MBK's changes were meant to prioritize higher south-of-Delta  
26 deliveries over protection of upstream carryover storage. These changes include:

- 27 1) use of unreasonable foresight in the allocation logic,  
28